

APPLICANT FACSIMILE OF FORM PTO-1449

U.S. DEPARTMENT OF
COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY DOCKET NO

SERIAL NO.

AVZ-016

09/327,199

LIST OF PUBLICATIONS CITED BY APPLICANT
(Use several sheets if necessary)

APPLICANT

Kaddurah-Daouk, Rima

FILING DATE

Jun 7, 1999

GROUP

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
D	A1	5,321,030	06/94	Kaddurah-Daouk et al.	514	275	
D	A2	5,324,731	06/94	Kaddurah-Daouk, R. et al.	514	275	
D	A3	5,543,405	08/96	Keown	514	188	
D	A4	5,676,978	10/97	Teicher et al.	424	649	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO

OTHERS (including Author, Title, Date, Pertinent Pages, Etc.)

D	A5	ADELMAN, R. C. et al. "Dietary and Hormonal Effects on Adenosine Triphosphate: Adenosine Monophosphate Phosphotransferase Activity in Rat Liver" <i>The Journal of Biological Chemistry</i> 243(10):2538-2544 (May 1968);
D	A6	ARORA, KK et al. "Structure/function relationships in hexokinase. Site-directed mutational analyses and characterization of overexpressed fragments implicate different functions for the N- and C-terminal halves of the enzyme" <i>J. Biol. Chem.</i> 268(24):18259-66 (1993 Aug 25);
D	A7	ATKINSON, D.E. "Adenylate Control and the Adenylate Energy Charge" <i>Cellular Energy Metabolism and Its Regulation</i> , Academic Press, New York, chapter 4, pp. 85-107 (1977);
D	A8	BERG, P. et al. "Transphosphorylation between Nucleoside Polyphosphates" <i>Nature</i> 172:1008-1009 (1953 Nov 28);
D	A9	BRDICZKA, D. "Function of the Outer Mitochondrial Compartment in Regulation of Energy Metabolism" <i>Biochimica et Biophysica Acta</i> 1187:264-269 (1994);
D	A10	BRDICZKA, D. and Walliman, T. "II-1 The Importance of the Outer Mitochondrial compartment in Regulation of Energy Metabolism" <i>Molecular and Cellular Biochemistry</i> 133/134:69-83 (1994);
D	A11	BRDICZKA, D. et al. "Kompartimentierte Verteilung von Enzymen in Rattenlebermitochondrien" <i>European J. Biochem.</i> 5:294-304 (1968) (with English abstract);
D	A12	BRUNE, M. et al. "Cloning and Sequencing of the Adenylate Kinase Gene (<i>adk</i>) of <i>Escherichia coli</i> " <i>Nucleic Acids Research</i> 13(19):7139-7151 (1985);
D	A13	BUBLITZ, C. et al. "Synthesis of Phosphatides In Isolated Mitochondria" <i>Journal of Biological Chemistry</i> 211:951-963 (1954);
D	A14	CALLAGHAN, O.H. "The Purification and Properties of Rabbit-Muscle Myokinase" <i>Biochem. J.</i> 67:651-657 (1957);
D	A15	CALLAGHAN, O.H. and Weber, G. "Kinetic Studies on Rabbit-Muscle Myokinase" <i>Biochem. J.</i> 73:473-485 (1959);
D	A16	CARDENAS, M.L. et al. "Evolution and regulatory role of the hexokinases" <i>Biochim. Biophys. Acta</i> 1401(3):242-64 (1998 Mar 5);
D	A17	CHIGA and Plaut, G.W.E. "An Enzyme System from Mitochondria Catalyzing Adenosine Diphosphate-Adenosine Triphosphate and Orthophosphate-Adenosine Triphosphate Exchange Reactions" <i>Journal of Biological Chemistry</i> 234(11):3059-3066 (1959-Nov);

Examiner

Date Considered

*EXAMINER

Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

APPLICANT FACSIMILE OF FORM PTO-1449

U.S. DEPARTMENT OF
COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY DOCKET NO

SERIAL NO.

AVZ-016

09/327,199

APPLICANT

Kaddurah-Daouk, Rima

FILING DATE

GROUP

June 7, 1999

LIST OF PUBLICATIONS CITED BY APPLICANT
(Use several sheets if necessary)

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO

OTHERS (including Author, Title, Date, Pertinent Pages, Etc.)

B1	CRISS, W.E. "ATP: AMP Phosphotransferase Flux in Rat Liver" <i>J. Biochem.</i> 70:273-278 (1971);
B2	FILLER, R. and Criss, W.E. "Development of Adenylate Kinase Isoenzymes in Rat Liver" <i>Biochem. J.</i> 122:553-555 (1971);
B3	GARCES, E. and Cleland, W.W. "Kinetic Studies of Yeast Nucleoside Diphosphate Kinase" <i>Biochemistry</i> 8(2):633-640 (1969 Feb);
B4	GARLAND, P.B., et al. "Influence of Deoxyribonucleic Acid Content on the Proteolysis of Sputum and Pus" <i>Nature</i> 196:987-988 (1962);
B5	HAYASHI SI, et al. "Purification and properties of glycerol kinase from Escherichia coli." <i>J Biol Chem.</i> 242(5):1030-1035 (1967 Mar 10);
B6	HOMMES, F.A. et al. "The Development of Adenylate Kinase in Rat Liver" <i>Biochimica et Biophysica Acta</i> 230:327-329 (1971);
B7	KATZEN, H.M. et al. "Multiple forms of hexokinase. Activities associated with subcellular particulate and soluble fractions of normal and streptozotocin diabetic rat tissues" <i>J. Biol. Chem.</i> 245(16):4081-96 (1970 Aug 25);
B8	KENDRICK-JONES, J. and Perry, S.V. "The Enzymes of Adenine Nucleotide Metabolism in Developing Skeletal Muscle" <i>Biochem. J.</i> 103:207 (1967);
B9	KHOO, J.C. and Russell, P.J. "Isoenzymes of Adenylate Kinase in Human Tissue" <i>Biochimica et Biophysica Acta</i> 268:98-101 (1972);
B10	KISHI, F. et al. "Isolation and Characterization of Two Types of cDNA for Mitochondrial Adenylate Kinase and Their Expression in <i>Escherichia coli</i> " <i>The Journal of Biological Chemistry</i> 262(24):11785-11789 (1987 Aug);
B11	KOSCHINSKY T, et al. "Regulation of glycerol kinase by insulin in isolated fat cells and liver of Bar Harbor obese mice". <i>Diabetologia</i> 7(5):316-22 (1971 Oct);
B12	KOSCHINSKY T, et al. "Glycerol-kinase and lipolysis in human adipose tissue in relation to relative body weight" <i>Hoppe Seylers Z Physiol Chem.</i> 352(3):430-432 (1971 Mar);
B13	KREBS, H.A. and Hems, R. "Some Reactions of Adenosine and Inosine Phosphates in Animal Tissues" <i>Biochimica et Biophysica Acta</i> 12:172-180 (1953);
B14	KROEMER, G. et al. "Mitochondrial Control of Apoptosis" <i>Immunology Today</i> 18(1):44-51 (1997 Jan);
B15	KROEMER, G. "The proto-oncogene Bcl-2 and its role in regulating apoptosis" <i>Nature Medicine</i> 3(6):614-20 (1997 Jun);

Examiner

Date Considered

*EXAMINER:

Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

APPLICANT FACSIMILE OF FORM PTO-1449

U.S. DEPARTMENT OF
COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY DOCKET NO

SERIAL NO.

REV 7-80

AVZ-016

09/327,199

LIST OF PUBLICATIONS CITED BY APPLICANT
(Use several sheets if necessary)

APPLICANT

Kaddurah-Da uk, Rima

FILING DATE

June 7, 1999

GROUP

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION Yes NO

OTHERS (including Author, Title, Date, Pertinent Pages, Etc.)

✓	C1	LEE, Y. et al. "Cloning and Characterization of cDNA for Human Adenylate Kinase 2A" <i>Biochemistry and Molecular Biology International</i> 39(4):833-842 (1996 Jul);
✓	C2	LOBO, Z. AND Maitra, P.K. "Genetics of Yeast Hexokinase" <i>Genetics</i> 86:727-744 (1977 Aug);
✓	C3	MARCHETTI, P. et al. "Mitochondrial Permeability Transition Is a Central Coordinating Event of Apoptosis" <i>J. Exp. Med.</i> 184:1155-1160 (1996 Sep);
✓	C4	MARKLAND, F.S. and Wadkins, C.L. "Adenosine Triphosphate-Adenosine 5'-Monophosphate Phosphotransferase of Bovine Liver Mitochondria. I. Isolation and Chemical Properties" <i>The Journal of Biological Chemistry</i> 241(18):4124-4135 (1966 Sep);
✓	C5	MARKLAND, F.S. and Wadkins, C.L. "Adenosine Triphosphate-Adenosine 5'-Monophosphate Phosphotransferase of Bovine Liver Mitochondria. II. General Kinetic and Structural Properties" <i>The Journal of Biological Chemistry</i> 241(18):4136-4145 (1966 Sep);
✓	C6	MATTHEWS, R.T. et al. "Neuroprotective Effects of Creatine and cyclocreatine in Animal Models of Huntington's Disease" <i>The Journal of Neuroscience</i> 18(1):156-163 (1998 Jan);
✓	C7	MCBRIDE, O.W. et al. "Presence of glycerokinase in guinea pig mammary gland and the incorporation of glycerol into glycerides". <i>J Lipid Res.</i> 5(3):442-447 (1964 Jul);
✓	C8	MIDDLETON, R.J. "Hexokinases and glucokinases" <i>Biochem. Soc. Trans.</i> 18(2):180-3 (1990 Apr);
✓	C9	MOURAD, N. and Parks, R.E. Jr. "NDP Kinase: Demonstration of Phosphorylated Enzyme as the Reactive Intermediate" <i>Biochemical and Biophysical Research Communications</i> 19(3):312-316 (1965);
✓	C10	MOURAD, N. and Parks, R.E. Jr. "Erythrocytic Nucleoside Diphosphokinase. II. Isolation and Kinetics" <i>Journal of Biological Chemistry</i> 241(2):271-278 (1966 Jan 25);
✓	C11	MOURAD, N. and Parks, R.E. Jr. "Erythrocytic Nucleoside Diphosphokinase. III. Studies with Free and Phosphorylated Enzyme and Evidence for an Essential Thiol Group" <i>Journal of Biological Chemistry</i> 241(16):3838-3844 (1966 Aug 25);
✓	C12	NAKAZAWA, A. et al. "Gene Structures of Three Vertebrate Adenylate Kinase Isozymes" <i>Isozymes: Structure, Function, and Use in Biology and Medicine</i> , Wiley-Liss, Inc., pp. 495-514 (1990);
✓	C13	NEWSHOLME, EA et al. "A radiochemical enzymatic activity assay for glycerol kinase and hexokinase". <i>Biochim Biophys Acta.</i> 132(2):338-46 (1967 Mar 15);

Examiner

Date Considered

*EXAMINER:

Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

APPLICANT FACSIMILE OF FORM PTO-1449

U.S. DEPARTMENT OF
COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY DOCKET NO.

SERIAL NO.

AVZ-016

09/327,199

APPLICANT

Kaddurah-Da uk, Rima

FILING DATE

June 7, 1999

GROUP

LIST OF PUBLICATIONS CITED BY APPLICANT
(Use several sheets if necessary)

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO

OTHERS (including Author, Title, Date, Pertinent Pages, Etc.)

D	D1	NIEMEYER, H. et al. "Induction of Glucokinase by Glucose in Rat Liver" <i>Nature</i> 198:1096-97 (1963 Jun 15);
5	D2	NODA, L. "Adenylate Kinase" <i>The Enzymes</i> , vol. 8, Academic Press, Orlando, FL, pp. 279-305 (1973);
D	D3	NODA, L. "Adenosine Triphosphate-Adenosine Monophosphate Transphosphorylase (Myokinase). I. Isolation of the Crystalline Enzyme from Rabbit Skeletal Muscle" <i>The Journal of Biological Chemistry</i> 226: 541-549 (1957);
D	D4	NODA, L. "Adenosine Triphosphate-Adenosine Monophosphate Transphosphorylase (Myokinase). II. Homogeneity Measurements and Physicochemical Properties" <i>The Journal of Biological Chemistry</i> 226: 551-558 (1957);
5	D5	NODA, L. "Adenosine Triphosphate-Adenosine Monophosphate Transphosphorylase (Myokinase). III. Kinetic Studies" <i>The Journal of Biological Chemistry</i> 232: 237-250 (1958);
D	D6	NOMA, T. et al. "cDNA Cloning and Tissue-Specific Expression of the Gene Encoding Human Adenylate Kinase Isozyme 2" <i>Biochimica et Biophysica Acta</i> 1395:34-39 (1998);
D	D7	OLIVER, I.T. "A Spectrophotometric Method for the Determination of Creatine Phosphokinase and Myokinase" <i>Biochem. J.</i> 61:116-122 (1955);
D	D8	RAFF, M.C. et al. "Programmed Cell Death and the Control of Cell Survival: Lessons from the Nervous System" <i>Science</i> 262:695-700 (1993 Oct);
D	D9	RANDERATH, K. "Thin-Layer Chromatography of Nucleotides on Layers of Cellulose Ion-Exchangers" <i>Nature</i> 194:768-796 (1962 May);
D	D10	ROBINSON J, et al. "Glycerol kinase activities in rat heart and adipose tissue." <i>Biochem J.</i> 104(1):2C-4C (1967 Jul);
D	D11	SALAS, M. et al. "Insulin-dependent Synthesis of Liver Glucokinase in the Rat" <i>J. Biol. Chem.</i> 238(11):3535-38 (1963 Nov);
D	D12	SATO, T.R. et al. "Electrochromatographic Separation of Inorganic Phosphate, Adenosine Monophosphate, Adenosine Diphosphate, and Adenosine Triphosphate" <i>Analytical Biochemistry</i> 5:542-547 (1963);
D	D13	SHARMA, C. et al. "Effects of Diet and Insulin on Glucose-Adenosine Triphosphate Phosphotransferases of Rat Liver" <i>J. Biol. Chem.</i> 238(12):3840-45 (1963 Dec);
D	D14	TANABE, T. et al. "Tissue-Specific and Developmentally Regulated Expression of the Genes Encoding Adenylate Kinase Isozymes" <i>J. Biochem.</i> 113:200-207 (1993);

Examiner

Date Considered

*EXAMINER:

Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

APPLICANT FACSIMILE OF FORM PTO-1449

U.S. DEPARTMENT OF
COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY DOCKET NO.

SERIAL NO.

AVZ-016

09/327,199

LIST OF PUBLICATIONS CITED BY APPLICANT
(Use several sheets if necessary)

APPLICANT

Kaddurah-Da'uk, Rima

FILING DATE

June 7, 1999

GROUP

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO

OTHERS (including Author, Title, Date, Pertinent Pages, Etc.)

10	E1	TANAKA, H. et al. "Isolation and Characterization of the Gene Encoding Bovine Adenylate Kinase Isozyme 2" <i>Gene</i> 93:221-227 (1990);
11	E2	THORNER J.W., et al. "Composition and subunit structure of glycerol kinase from <i>Escherichia coli</i> ". <i>J Biol Chem.</i> 246(12):3885-94 (1971 Jun 25);
12	E3	TOMASSELLI, A.G. et al. "Mitochondrial GTP-AMP Phosphotransferase. 1. Purification and Properties" <i>Eur. J. Biochem.</i> 93:257-262 (1979);
13	E4	TREBLE, D. H, et al. "Glycerolkinase Activity in White Adipose Tissue of Obese-hyperglycaemic Mice" <i>Nature</i> 200:363-364 (1963);
14	E5	URETA, T. "The Comparative Isozymology of Vertebrate Hexokinases" <i>Com. Biochem. Physiol.</i> 71B(4):549-555 (1982);
15	E6	URETA, T. et al. "The evolution of hexokinases" <i>Arch. Biol. Med. Exp.</i> 20(3-4):343-57 (1987);
16	E7	WALLIMANN, T. et al. "Intracellular Compartmentation, Structure and Function of Creatin Kinase Isoenzymes in Tissues with High and Fluctuating Energy Demands: the 'Phosphocreatine Circuit' for Cellular Energy Homeostasis" <i>Biochem. J.</i> 281:21-40 (1992);
17	E8	WILSON, J.E. "Hexokinases" <i>Rev. Physiol. Biochem. Pharmacol.</i> 126:65-198 (1995);
18	E9	ZAMZAMI, N. et al. "Mitochondrial Control of Nuclear Apoptosis" <i>J. Exp. Med.</i> 183:1533-1544 (1996 Apr).

Examiner

Date Considered

*EXAMINER:

Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.